preselect/predetermine/preprogram the duration of the reminder/alarm/alert; reselect/predetermine/preprogram the type of the reminder/alarm/alert; reselect/predetermine/preprogram timeout or quiet times where no reminder/alarm/alert is given (and in some embodiments, where this is selected by the user, upon wake up, the device may display the reminder/alarm/alert, and/or in some embodiments, at the end of the preselected/predetermined/preprogrammed time-out, any reminder/alarm/alert may be given).

[1428] In some embodiments where, for example, the system may remind the user to change their cannula, for example, 3 days after filling the cannula. The user may request, for these reminders, that for this reminder, a reminder timeout between 10 pm and 6 am. Thus, the user will not be awoken to remind them to change the cannula. In some embodiments, when the user wakes up the device, for example, at 7 am, the reminder, if applicable, may be indicated, which, in some embodiments, may be indicated by the method selected/preprogrammed/predetermined by the user.

[1429] Referring now also to FIGS. **239** and **240**, another embodiment of the AVS assembly **7000** is shown. With respect to FIG. **240**, the AVS assembly **7000** includes a speaker **7002** and two microphones, one shown as **7008**. The AVS assembly **7000** includes a "figure eight" seal **7010**. The AVS assembly **7000** includes a top housing **7004** and a bottom housing **7006**.

[1430] Referring now also to FIG. **239**, the AVS membrane **7012**, which, in the exemplary embodiment, is located in the disposable housing assembly **6000**, and an acoustic seal **7014** is shown. In some embodiments, the acoustic seal is overmolded onto the reusable housing assembly **6004** portion and is therefore located between the disposable housing assembly **6000** and the reusable housing assembly **6004**. When the reusable housing assembly **6004** is engaged with the disposable housing assembly **6000**, the acoustic seal **7014** comes into contact with surfaces on the disposable housing assembly **6000** and a seal is made.

[1431] In this embodiment of the AVS assembly, a spring is not included; however, in various other embodiments of this embodiment of the AVS assembly, a spring may be included. In the embodiments without a spring, the AVS membrane **7012** may be made from SEBS and may include properties that are desirable for the AVS membrane **7012**.

[1432] The membrane in the disposable housing assembly **6000** may be made from plastic and in some embodiments, more than one type of plastic. For example, in some embodiments, the membrane may be made from SEBS and SANTOPRENE. In some embodiments, the AVS membrane **7012** is made from SEBS and the remainder of the membranes is made from SANTOPRENE. In various embodiments of the membrane, the membrane may be at least partially coated with parylene, and in some embodiments, the entire membrane is coated with parylene.

[1433] Referring now also to FIGS. **244**A and **244**B, another embodiment of the disposable housing assembly **7000** is shown. The disposable housing assembly **7000** includes a tubing **7034** and a cannula assembly **7026**, similar to those describe above. With respect to the disposable housing assembly **7000**, in some embodiments, the disposable housing assembly **7000** includes a fluid path **7038** that may, in some embodiments, include a chevron path **7040**. This may be desirable/beneficial for many reasons, including, but not limited to, minimizing the amount of air that may become trapped in the fluid path **7038**.

[1434] Referring now also to FIGS. **245**A and **245**B, in some embodiments of the disposable housing assembly **7000**, the pump chamber membrane **7042** may be shaped as a pre-formed dome like structure. In some embodiments this may be beneficial/desirable for many reasons, including, but not limited to, providing a higher vacuum force on the reservoir to pump greater volumes of fluid per pump stroke and moving more fluid from the reservoir to the pump chamber with less displacement. In some embodiments, and as shown in FIG. **245**B, the pump plunger **7044** may be pre-engaged with the pump chamber membrane **7042**. Thus, as the pump plunger **7044** is actuated by the actuator assembly, the pump plunger **7044**, already engaged with the pump chamber member **7042**, may travel less distance to pump fluid from the reservoir **908**. This may be beneficial for many reasons, including, but not limited to, exerting less wear and tear on the shape memory alloy and therefore, increasing the longevity of the shape memory alloy. Thus, the pump may move more fluid using less force, i.e., the pump is more efficient.

[1435] Referring now also to FIGS. **246**A and **246**B, in some embodiments, the cover **7046** of the reusable housing assembly, which may include at least some of the features described above with respect to the reusable housing assembly, may include a speaker **7048**. The speaker **7048** may be heat staked in the cover **7036**. A printed circuit board ("PCB") **7050** may also be located adjacent to the speaker **7048**, in some embodiments, which may include, in some embodiments, spring loaded contacts **7052** such that the speaker **7048** may be connected to the PCB through spring loaded electrical contracts. Placement of the speaker **7048** in the cover **7046** of the reusable housing assembly may be desirable/beneficial for many reasons, including, but not limited to, providing louder/better sound quality to the user by placement of the speaker **7048** closer to the "outside" of the infusion pump system.

[1436] In various embodiments, these methods may be used with respect to any device and/or medical device and/or any controller and/or remote controller for any device and/or medical device and/or any device used in conjunction with or in association with any device and/or medical device.

[1437] A number of embodiments have been described. Nevertheless, it will be understood that various modifications may be made. Accordingly, other embodiments are within the scope of the following claims.

[1438] While the principles of the invention have been described herein, it is to be understood by those skilled in the art that this description is made only by way of example and not as a limitation as to the scope of the invention. Other embodiments are contemplated within the scope of the present invention in addition to the exemplary embodiments shown and described herein. Modifications and substitutions by one of ordinary skill in the art are considered to be within the scope of the present invention.

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)